

State Injury Profile for Montana

About the State Injury Profiles...

Following this introduction you will find the injury profile for your state and the nation. The maps and tables contain information on injury deaths and death rates; however, it is important to remember that hundreds of thousands of Americans are nonfatally injured each year, many of whom suffer permanent disabilities. Your state injury profile includes:

- The 10 leading causes of death by age group for your state and the nation. These charts contain the total number of deaths for the three-year period 1995 through 1997. The summary table at the bottom of each page shows the total number of injuries across all ages for the same three-year period and the average number of deaths per year.
- The tables on the next page show the number of deaths for your state and the nation for the leading causes of injury death (separated by the type of injury—unintentional, suicide, and homicide) for the same three-year period.
- The next pages contain U.S. maps indicating the death rate per 100,000 persons for all states over a three-year period (1995-1997) for the leading causes of injury death. Beneath each map is a graph showing the death rate over a 10-year period (1988-1997). These maps and graphs will allow you to compare death rates for your state to other states and understand the 10-year trend in your state compared to the U.S. trend.
- The last two maps in the Profile give death-rate data and 10-year trends for two of the most frequent and disabling types of injury-related deaths: traumatic brain injury-related deaths, which can be caused by falls, firearms, motor-vehicle crashes, or other causes; and firearm-related deaths, unintentional or the result of homicide or suicide.

This State Injury Profile 2000 is presented as an appendix to the Centers for Disease Control and Prevention (CDC) Injury Fact Book, *Working to Prevent and Control Injury in the United States*. The Fact Book contains information regarding the cost of injury and the value of prevention, the work of CDC's National Center for Injury Prevention and Control, and the Safe USA Partnership Council. The Fact Book also contains fact sheets for many of the leading causes of injury death. Additional information can also be obtained from—

- The CDC National Center for Injury Prevention and Control web site: <http://www.cdc.gov/ncipc/>
- The CDC National Center for Injury Prevention and Control, Office of Planning, Evaluation, and Legislation: 770-488-4936
- Safe USA web site: <http://www.cdc.gov/safe/>
- Safe USA toll-free number: 1-888-252-7751

United States

10 Leading Causes of Deaths by Age Group: 1995-1997

Rank	Age Groups										Total
	<1	1-4	5-9	10-14	15-24	25-34	35-44	45-54	55-64	65+	
1	Congenital Anomalies 19,113	Unintentional Injuries 6,432	Unintentional Injuries 4,734	Unintentional Injuries 5,614	Unintentional Injuries 41,018	Unintentional Injuries 38,858	Malignant Neoplasms 51,258	Malignant Neoplasms 134,242	Malignant Neoplasms 261,040	Heart Disease 1,834,538	Heart Disease 2,197,898
2	Short Gestation 11,760	Congenital Anomalies 1,922	Malignant Neoplasms 1,593	Malignant Neoplasms 1,491	Homicide 19,978	HIV 23,935	Unintentional Injuries 43,023	Heart Disease 104,809	Heart Disease 201,533	Malignant Neoplasms 1,147,043	Malignant Neoplasms 1,617,565
3	SIDS 9,438	Malignant Neoplasms 1,350	Congenital Anomalies 706	Homicide 1,023	Suicide 13,328	Suicide 17,825	Heart Disease 40,047	Unintentional Injuries 29,523	Bronchitis Emphysema Asthma 30,143	Cerebro-vascular 419,616	Cerebro-vascular 477,724
4	Respiratory Distress Synd. 4,117	Homicide 1,247	Homicide 510	Suicide 931	Malignant Neoplasms 4,919	Homicide 16,665	HIV 39,570	HIV 17,951	Cerebro-vascular 29,087	Bronchitis Emphysema Asthma 274,359	Bronchitis Emphysema Asthma 317,955
5	Maternal Complications 3,802	Heart Disease 680	Heart Disease 387	Congenital Anomalies 647	Heart Disease 3,106	Malignant Neoplasms 14,327	Suicide 19,938	Cerebro-vascular 16,960	Diabetes 24,987	Pneumonia & Influenza 226,837	Unintentional Injuries 283,912
6	Placenta Cord Membranes 2,871	Pneumonia & Influenza 504	HIV 288	Heart Disease 554	HIV 1,318	Heart Disease 10,097	Homicide 11,689	Liver Disease 16,300	Unintentional Injuries 20,719	Diabetes 138,117	Pneumonia & Influenza 253,099
7	Unintentional Injuries 2,356	HIV 411	Pneumonia & Influenza 221	Bronchitis Emphysema Asthma 294	Congenital Anomalies 1,254	Cerebro-vascular 2,118	Liver Disease 10,853	Suicide 14,317	Liver Disease 15,921	Unintentional Injuries 91,315	Diabetes 183,657
8	Perinatal Infections 2,321	Septicemia 236	Bronchitis Emphysema Asthma 143	Pneumonia & Influenza 184	Bronchitis Emphysema Asthma 684	Diabetes 1,881	Cerebro-vascular 8,281	Diabetes 12,589	Pneumonia & Influenza 10,830	Alzheimer's Disease 63,461	Suicide 92,722
9	Pneumonia & Influenza 1,409	Perinatal Period 222	Benign Neoplasms 132	HIV 180	Pneumonia & Influenza 630	Pneumonia & Influenza 1,724	Diabetes 5,581	Bronchitis Emphysema Asthma 8,395	Suicide 8,675	Nephritis 62,838	HIV 90,761
10	Intrauterine Hypoxia 1,355	Benign Neoplasms 189	Anemias 98	Cerebro-vascular 135	Cerebro-vascular 527	Liver Disease 1,690	Pneumonia & Influenza 4,335	Pneumonia & Influenza 6,405	Septicemia 5,350	Septicemia 52,315	Liver Disease 75,444

United States Total Number of Injury Deaths

<u>Cause</u>	<u>Deaths</u>	<u>Percent</u>
Unintentional Injury	283,912	64.5%
Intentional	156,434	35.5%
Total (1995-1997)	440,346	100.0%

Average Number of Injury Deaths per Year
In the United States = **146,782**

Montana

10 Leading Causes of Deaths by Age Group: 1995-1997

Rank	Age Groups										Total
	<1	1-4	5-9	10-14	15-24	25-34	35-44	45-54	55-64	65+	
1	Congenital Anomalies 56	Unintentional Injuries 31	Unintentional Injuries 22	Unintentional Injuries 33	Unintentional Injuries 190	Unintentional Injuries 145	Unintentional Injuries 178	Malignant Neoplasms 399	Malignant Neoplasms 805	Heart Disease 5,224	Heart Disease 6,255
2	SIDS 39	Congenital Anomalies 9	Malignant Neoplasms 4	Malignant Neoplasms 9	Suicide 99	Suicide 87	Malignant Neoplasms 124	Heart Disease 280	Heart Disease 621	Malignant Neoplasms 3,928	Malignant Neoplasms 5,326
3	Short Gestation 11	Homicide 7	Congenital Anomalies 2	Suicide 5	Homicide 18	Malignant Neoplasms 41	Suicide 118	Unintentional Injuries 142	Bronchitis Emphysema Asthma 156	Cerebro-vascular 1,529	Cerebro-vascular 1,688
4	Unintentional Injuries 11	Benign Neoplasms 3	8 Tied	Homicide 4	Malignant Neoplasms 14	Homicide 35	Heart Disease 96	Suicide 89	Unintentional Injuries 93	Bronchitis Emphysema Asthma 1,354	Bronchitis Emphysema Asthma 1,558
5	Placenta Cord Membranes 10	7 Tied	8 Tied	Congenital Anomalies 3	Heart Disease 12	Heart Disease 13	Liver Disease 39	Liver Disease 54	Cerebro-vascular 90	Pneumonia & Influenza 800	Unintentional Injuries 1,228
6	Maternal Complications 9	7 Tied	8 Tied	Heart Disease 1	Congenital Anomalies 6	HIV 12	Homicide 24	Cerebro-vascular 44	Diabetes 59	Diabetes 449	Pneumonia & Influenza 868
7	Respiratory Distress Synd. 8	7 Tied	8 Tied	Nutritional Deficiencies 1	Pneumonia & Influenza 3	Cerebro-vascular 7	Diabetes 20	Bronchitis Emphysema Asthma 42	Liver Disease 51	Unintentional Injuries 383	Diabetes 567
8	Perinatal Infections 7	7 Tied	8 Tied	Pneumonia & Influenza 1	6 Tied	Liver Disease 7	HIV 17	Diabetes 31	Suicide 49	Alzheimer's Disease 298	Suicide 558
9	Intrauterine Hypoxia 5	7 Tied	8 Tied		6 Tied	Diabetes 6	Cerebro-vascular 13	Pneumonia & Influenza 18	Pneumonia & Influenza 25	Nephritis 216	Alzheimer's Disease 302
10	Pneumonia & Influenza 5	7 Tied	8 Tied		6 Tied	Pneumonia & Influenza 4	Pneumonia & Influenza 10	Homicide 13	Septicemia 16	Athero-sclerosis 197	Liver Disease 244

Montana Total Number of Injury Deaths

Cause	Deaths	Percent
Unintentional Injury	1,228	64.4%
Intentional Injury	679	35.6%
Total (1995-1997)	1,907	100.0%

Average Number of Injury Deaths per Year
In Montana = **636**

1995-1997 Leading Causes of Death

Unintentional Injury

United States Unintentional Injury

<u>Cause</u>	<u>Deaths</u>	<u>Percent</u>
MV Traffic	127,193	44.8%
Fall	33,633	11.8%
Poisoning	28,745	10.1%
Suffocation	12,987	4.6%
Drowning	12,360	4.4%
Fire/Burn	11,304	4.0%
Other Causes	57,690	20.3%
	283,912	100.0%

Montana Only Unintentional Injury

<u>Cause</u>	<u>Deaths</u>	<u>Percent</u>
MV Traffic	594	48.4%
Fall	215	17.5%
Drowning	65	5.3%
Poisoning	42	3.4%
Suffocation	41	3.3%
Other Causes	271	22.1%
	1,228	100.0%

Intentional Injury

United States Suicide

<u>Cause</u>	<u>Deaths</u>	<u>Percent</u>
Firearm	54,235	58.5%
Suffocation	15,960	17.2%
Poisoning	15,355	16.6%
Other Causes	7,172	7.7%
	92,722	100.0%

Montana Only Suicide

<u>Cause</u>	<u>Deaths</u>	<u>Percent</u>
Firearm	377	67.6%
Poisoning	100	17.9%
Suffocation	60	10.8%
Other Causes	21	3.8%
	558	100.1%

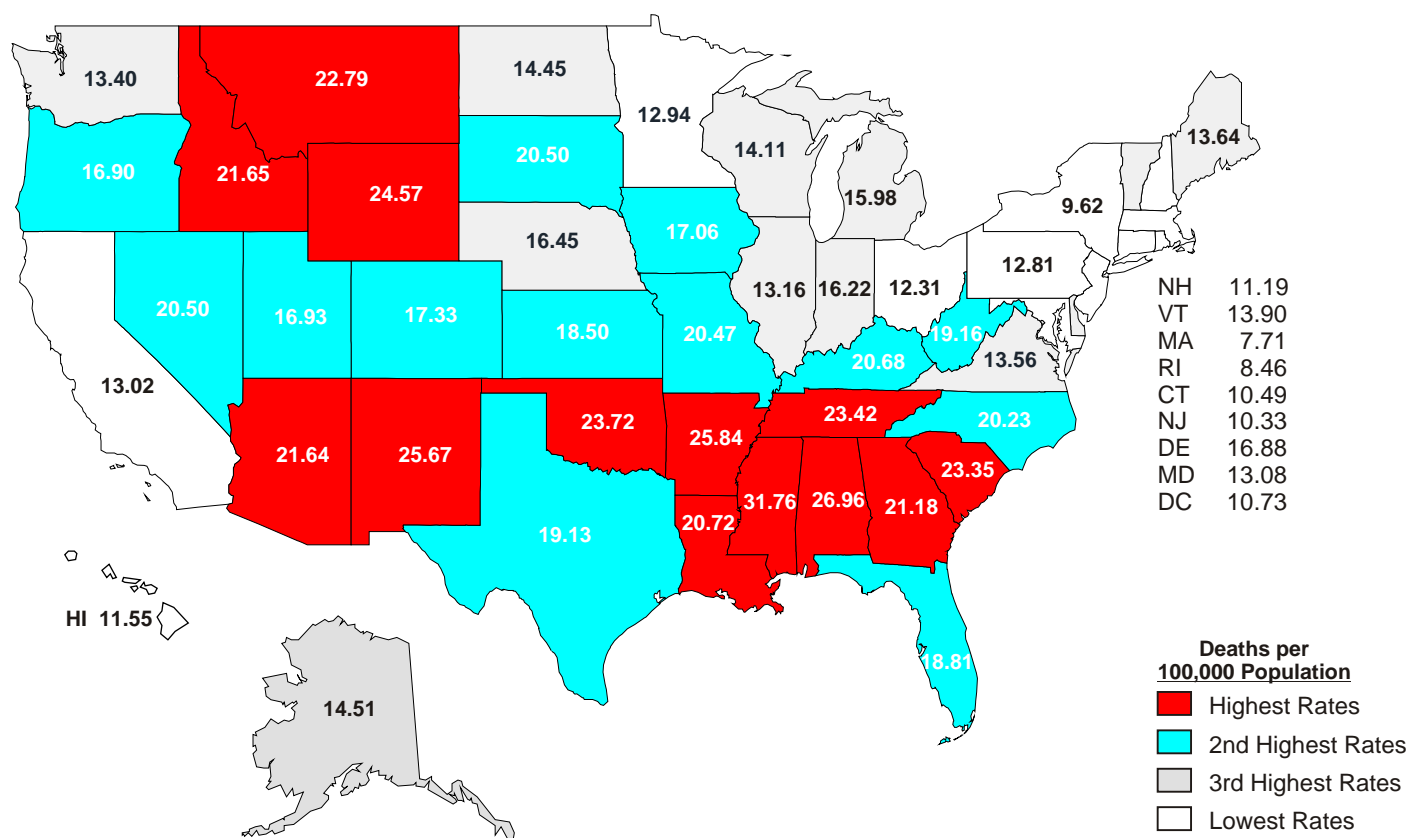
United States Homicide and Legal Intervention

<u>Cause</u>	<u>Deaths</u>	<u>Percent</u>
Firearm	43,684	68.6%
Cut/Pierce	7,647	12.0%
Suffocation	2,327	3.7%
Other Causes	10,054	15.8%
	63,712	100.0%

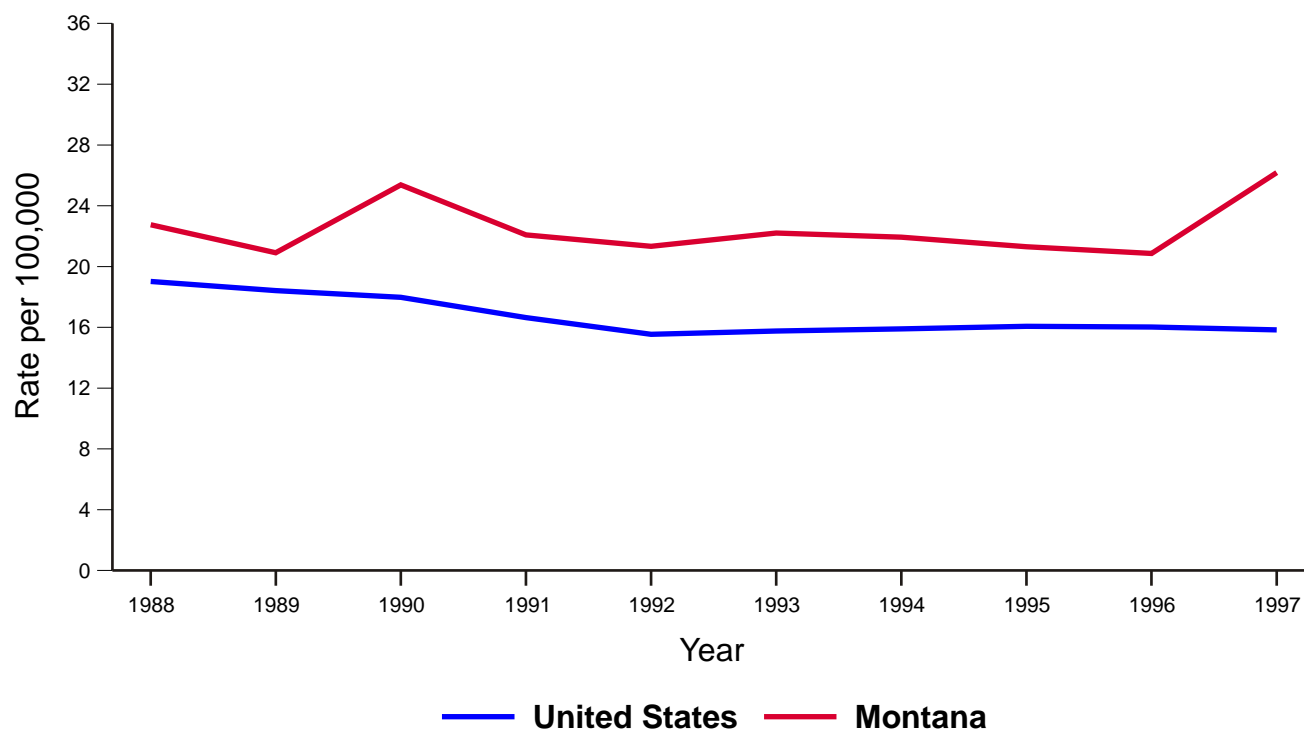
Montana Only Homicide and Legal Intervention

<u>Cause</u>	<u>Deaths</u>	<u>Percent</u>
Firearm	73	60.3%
Cut/Pierce	21	17.4%
Suffocation	6	5.0%
Other Causes	21	17.4%
	121	100.1%

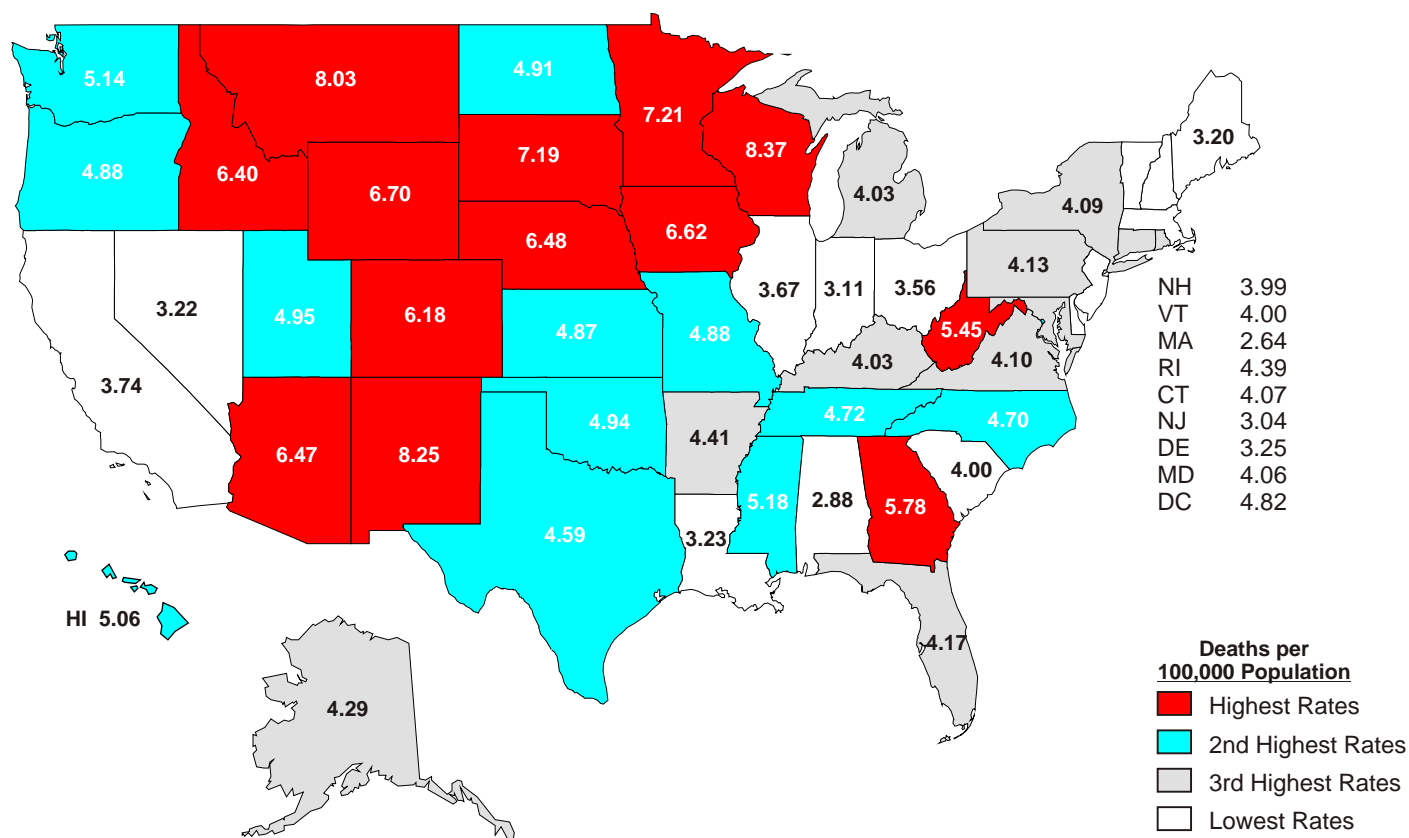
Unintentional Motor Vehicle, Traffic-Related Death Rates United States, 1995-1997



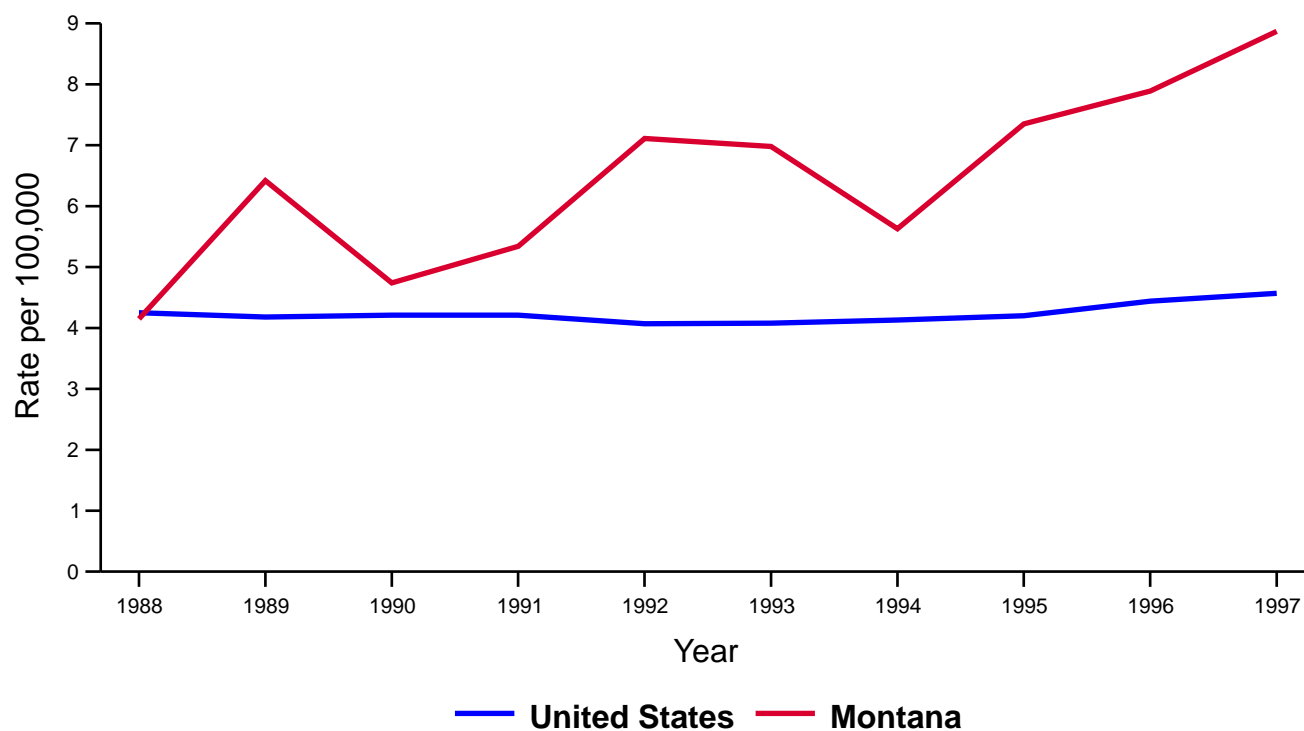
United States and Montana 1988-1997



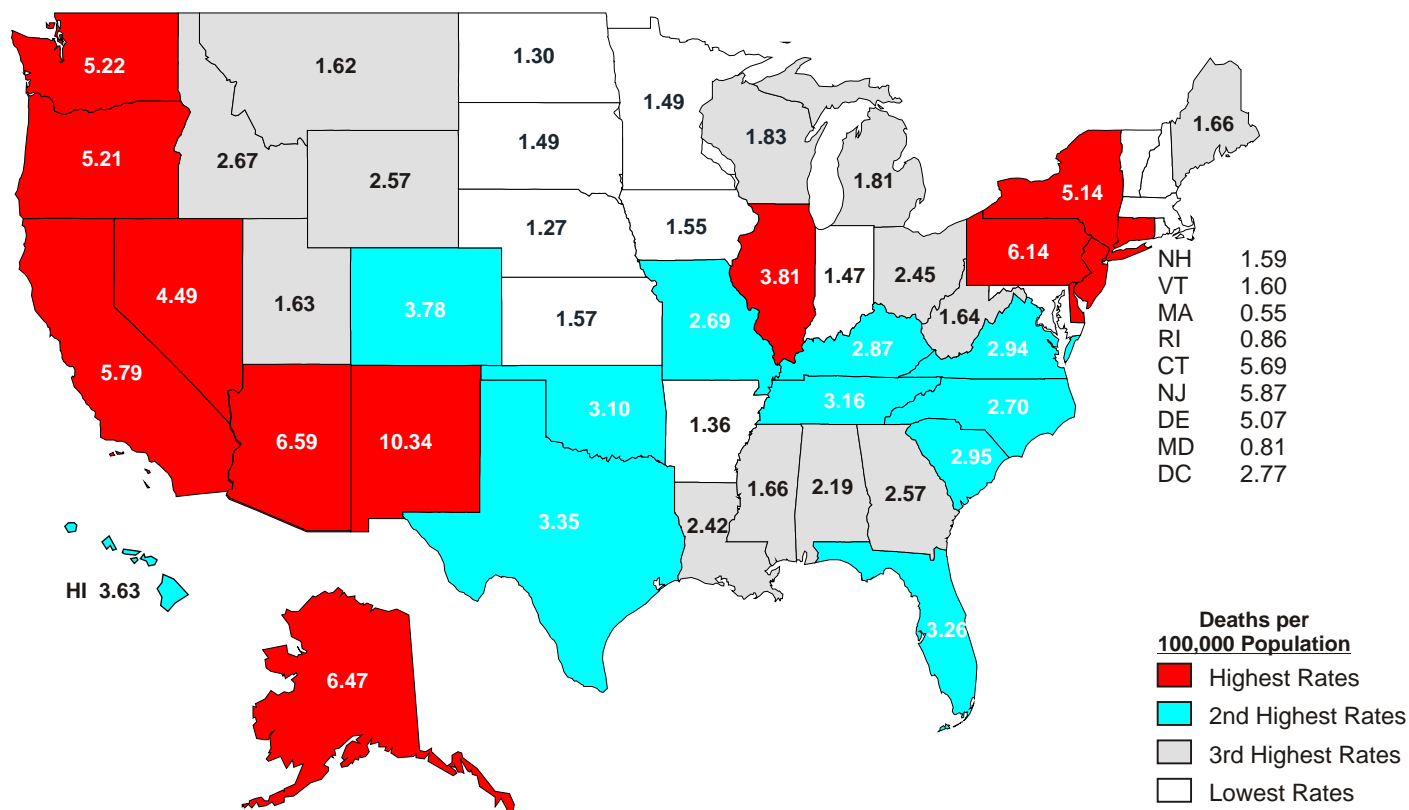
Unintentional Fall Death Rates United States, 1995-1997



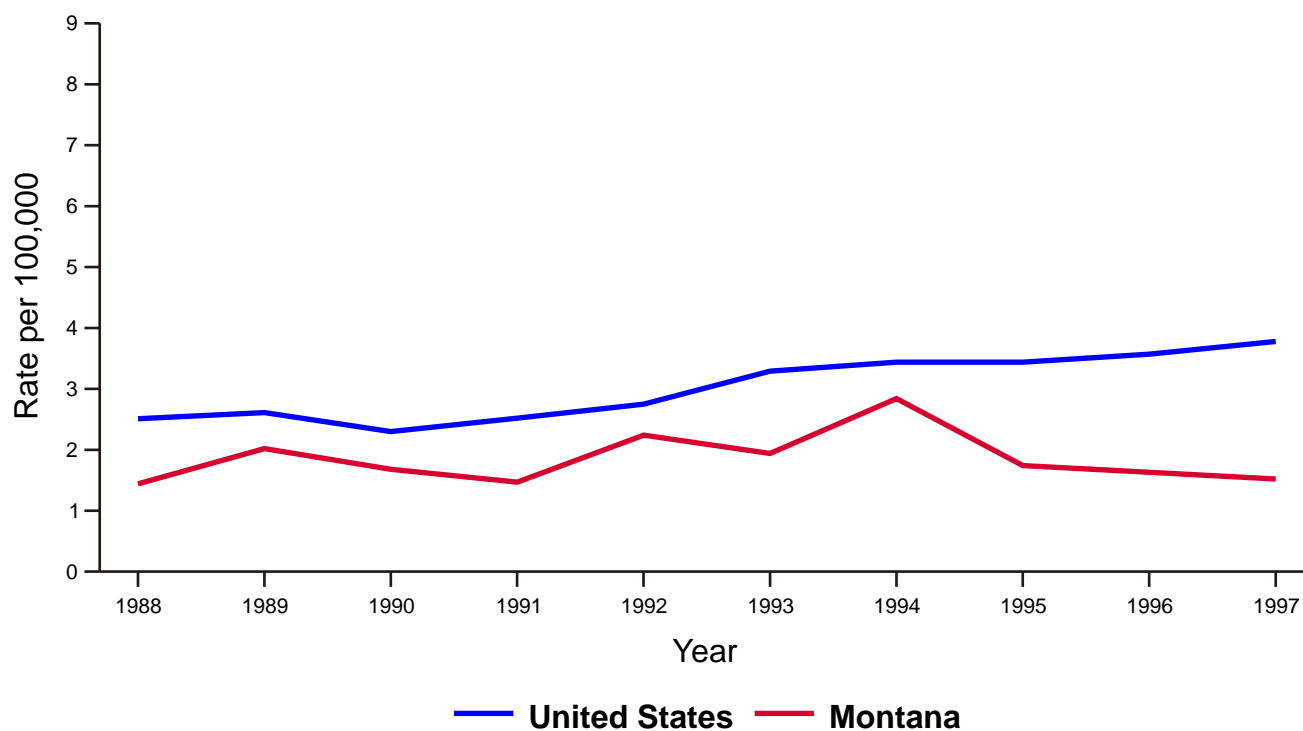
United States and Montana 1988-1997



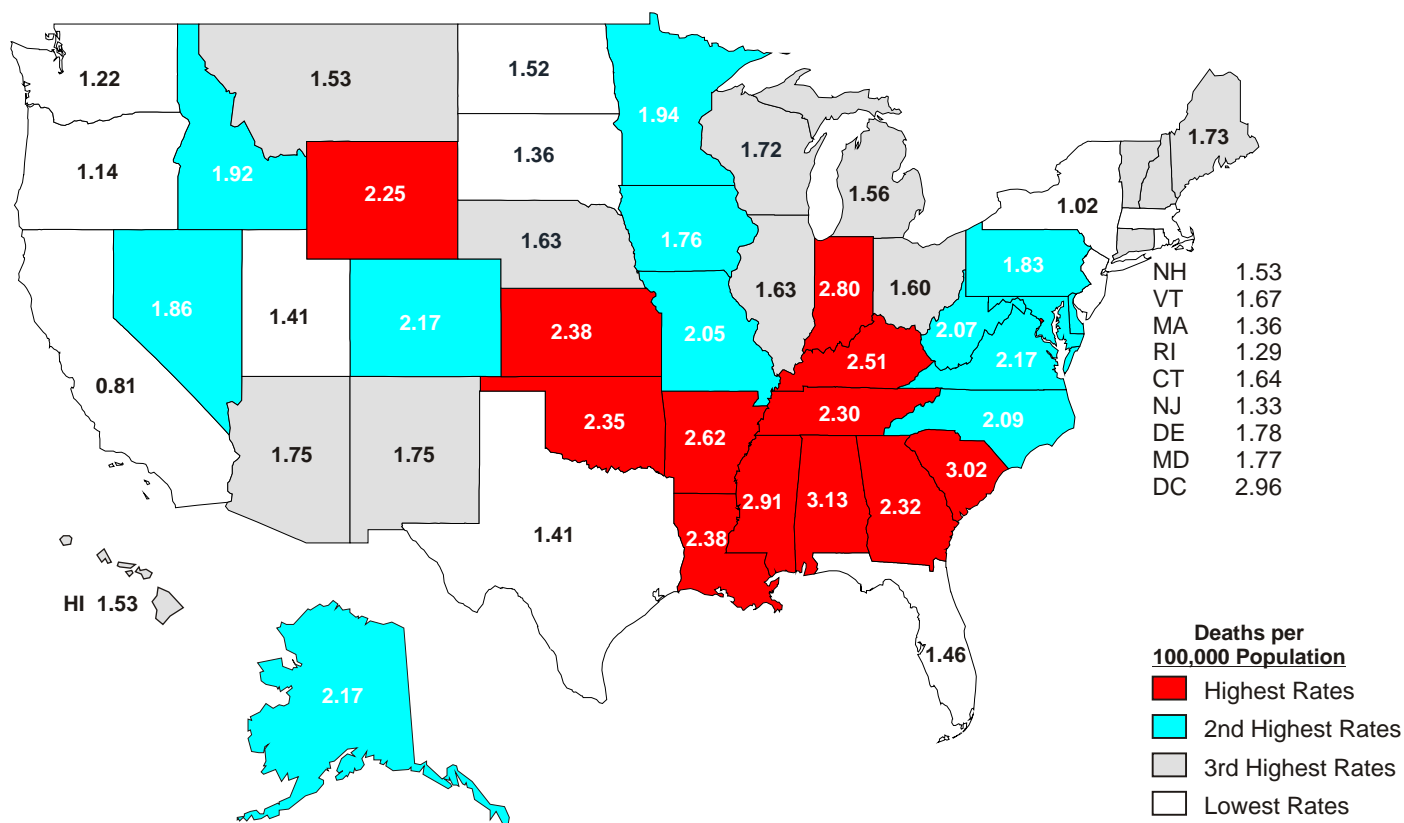
Unintentional Poisoning Death Rates United States, 1995-1997



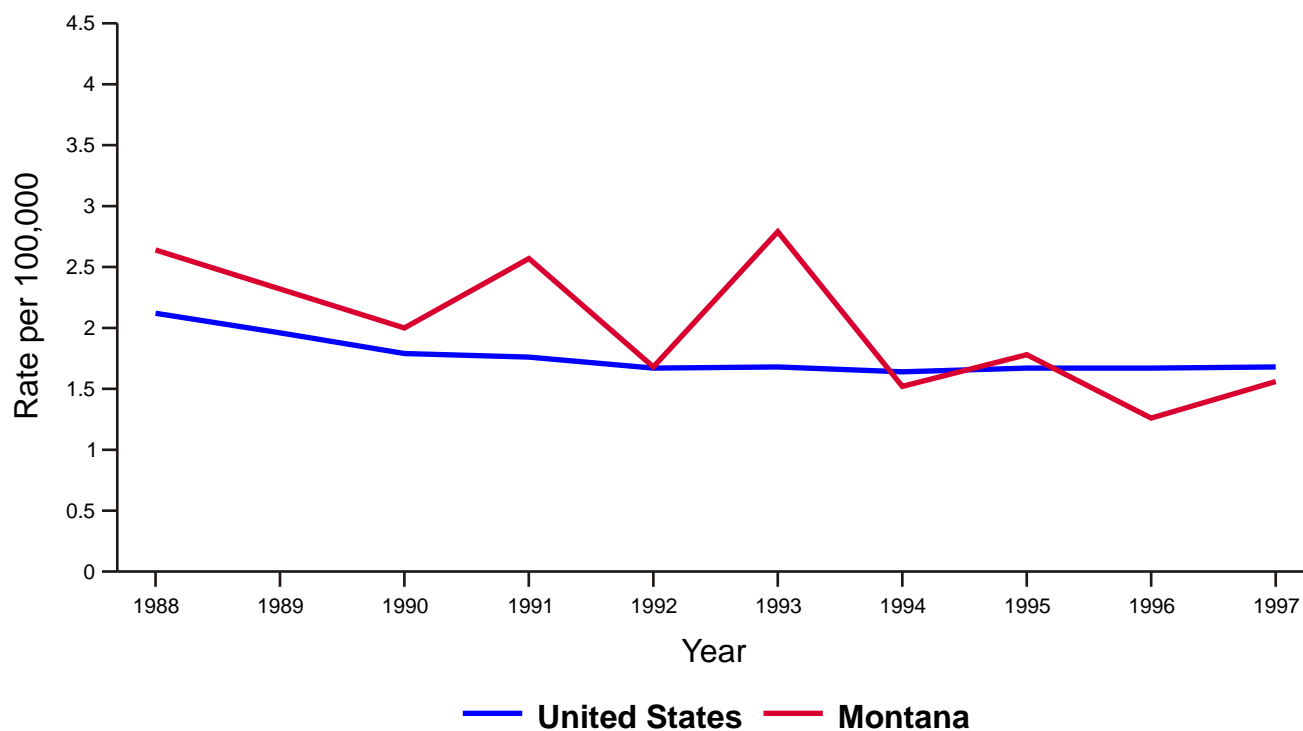
United States and Montana 1988-1997



Unintentional Suffocation Death Rates United States, 1995-1997



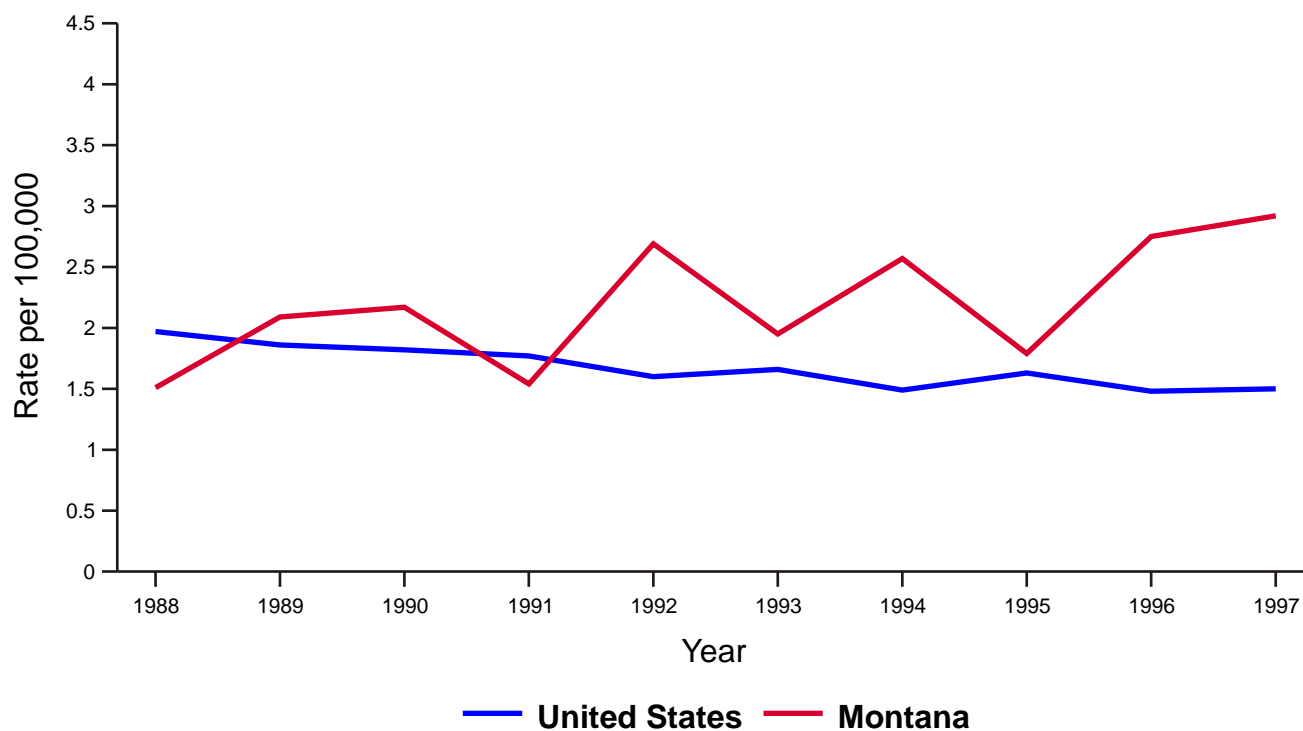
United States and Montana 1988-1997



Unintentional Drowning Death Rates United States, 1995-1997



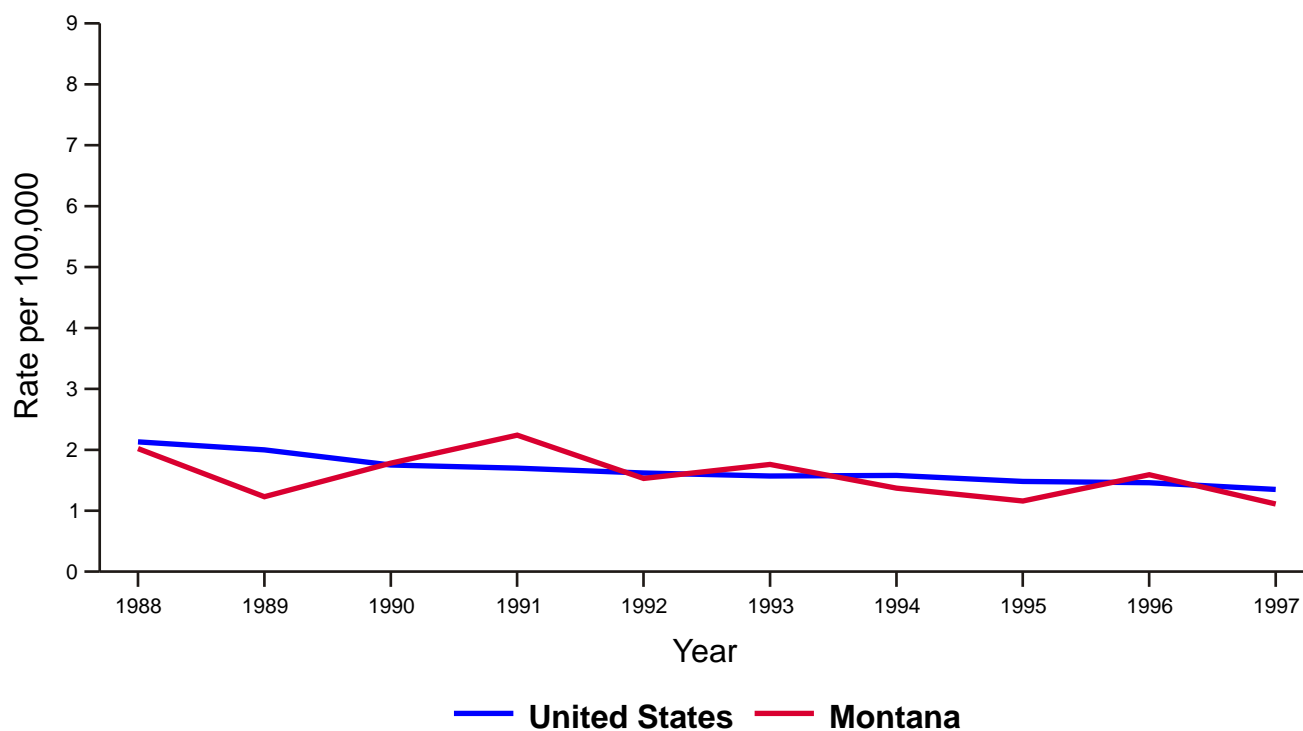
United States and Montana 1988-1997



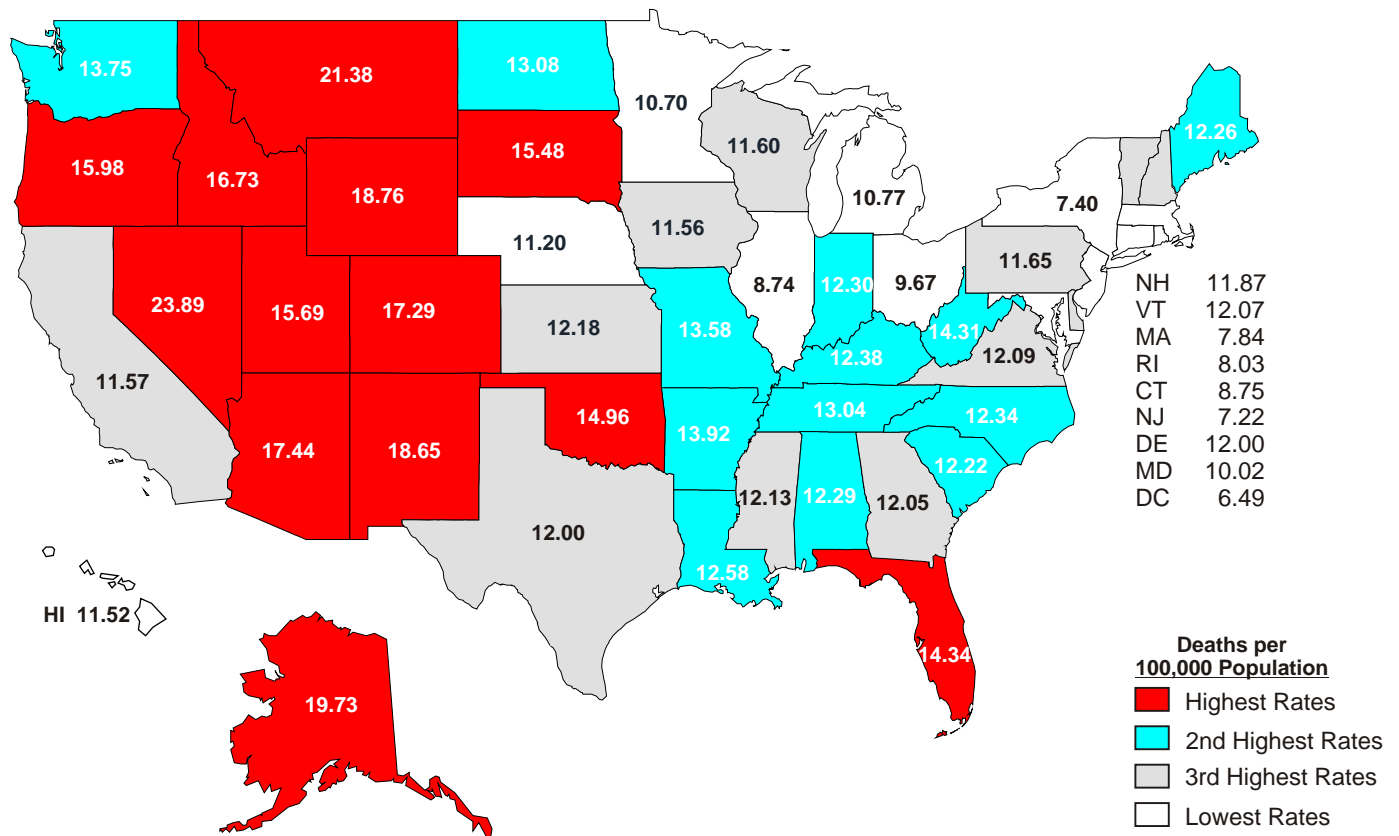
Unintentional Fire and Burn-Related Death Rates United States, 1995-1997



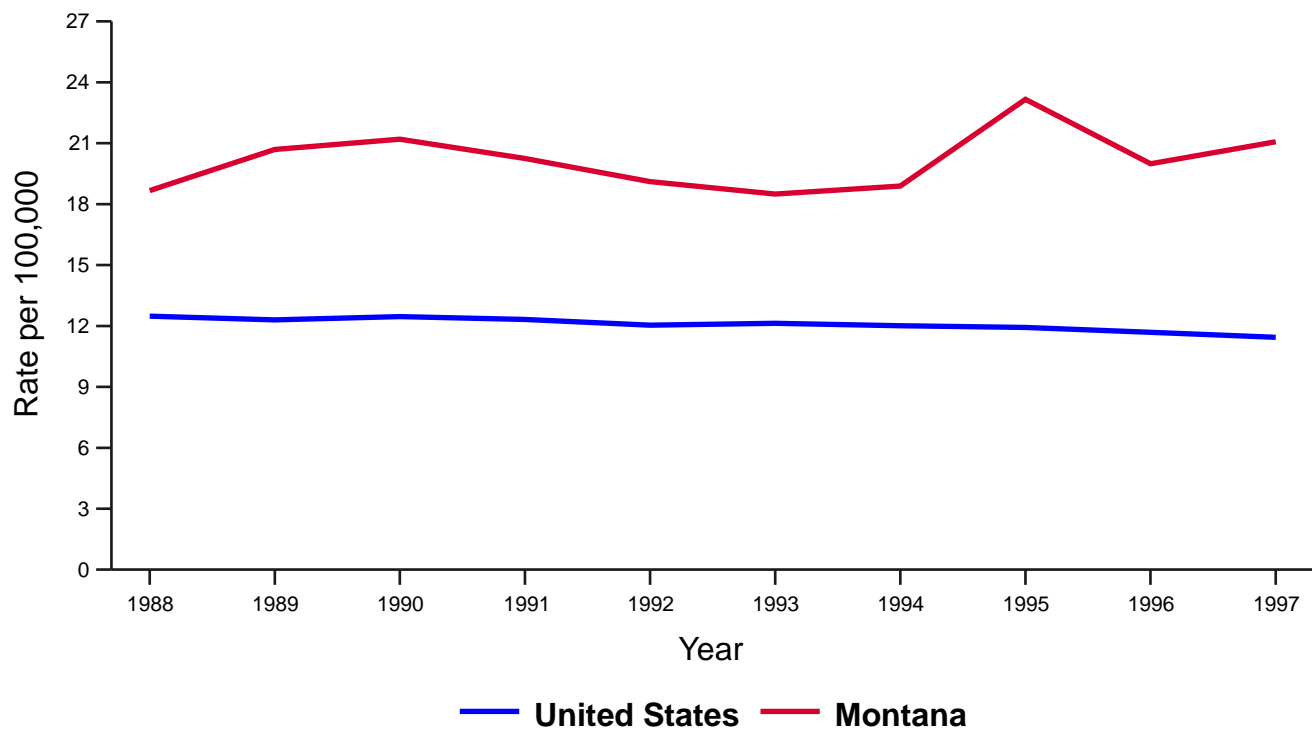
United States and Montana 1988-1997



Suicide Death Rates United States, 1995-1997



United States and Montana 1988-1997



Deaths per 100,000 Population

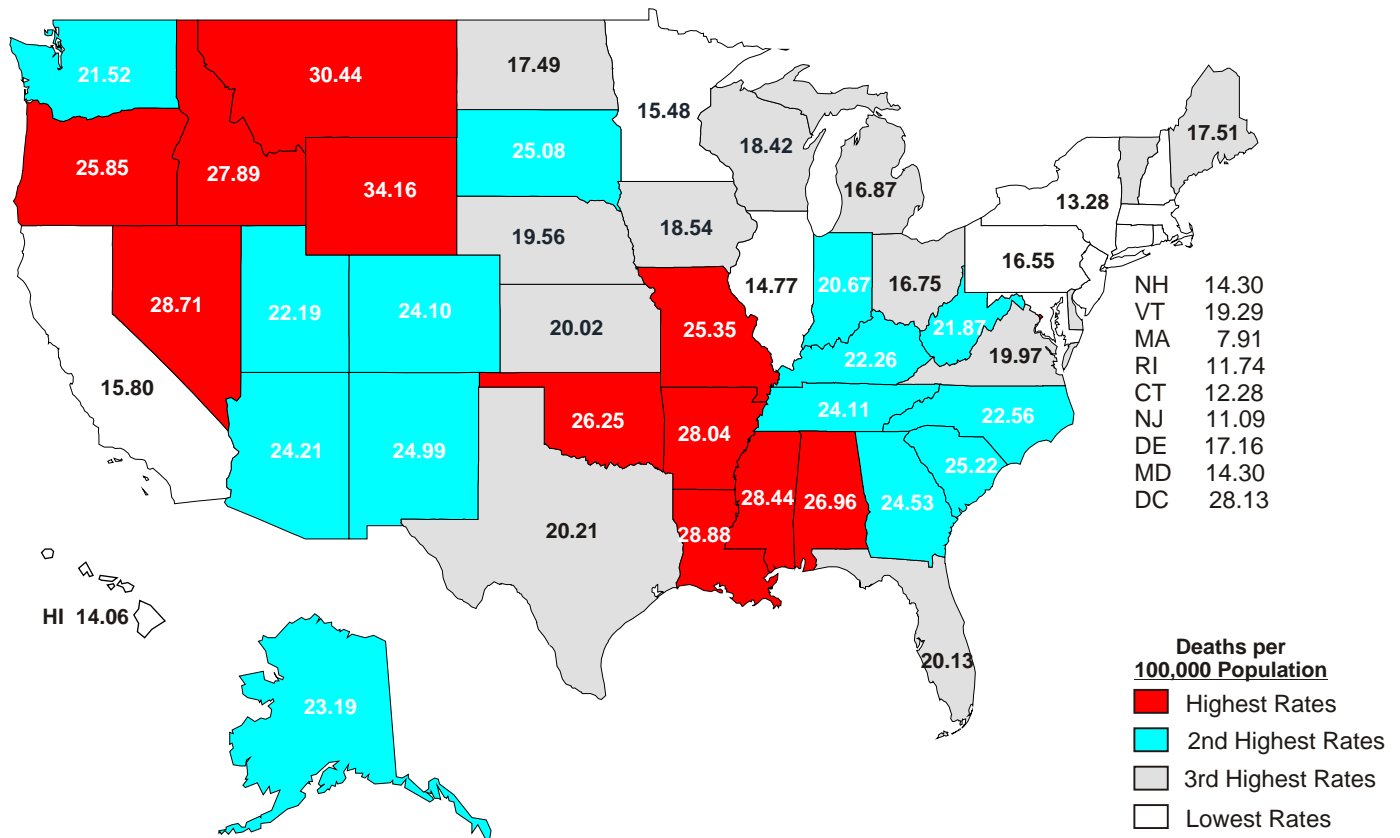
- Highest
- 2nd Highest
- 3rd Highest
- Lowest

State	Death Rate per 100,000 Population
CA	11.34
TX	8.17
FL	8.57
AK	8.18
MI	8.60
WI	8.51
IL	10.34
IN	7.11
OH	4.50
PA	6.45
NY	7.44
CT	4.74
RI	3.11
MA	3.07
VT	1.89
NH	1.86
DC	56.87
MD	11.66
DE	5.87
NJ	4.98
VA	9.07
NC	9.30
SC	9.27
GA	12.02
AL	14.40
MS	16.79
LA	11.04
OK	10.11
MO	10.53
NE	9.97
KS	10.24
WY	5.96
MT	5.23
ND	3.63
SD	2.60
IA	3.43
WI	2.46
IL	4.28
IN	6.22
OH	6.22
PA	5.31
NY	7.41
CT	4.74
RI	3.11
MA	3.07
VT	1.89
NH	1.86
DC	56.87
MD	11.66
DE	5.87
NJ	4.98
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MA	3.07
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NH	1.86
DC	56.87
MD	11.66
DE	5.87
NJ	4.98
VA	9.07
NC	9.30
SC	9.27
GA	12.02
AL	14.40
MS	16.79
LA	11.04
OK	10.11
MO	10.53
NE	9.97
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WI	2.46
IL	4.28
IN	6.22
OH	6.22
PA	5.31
NY	7.41
CT	4.74
RI	3.11
MA	3.07
VT	1.89
NH	1.86
DC	56.87
MD	11.66
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NJ	4.98
VA	9.07
NC	9.30
SC	9.27
GA	12.02
AL	14.40
MS	16.79
LA	11.04
OK	10.11
MO	10.53
NE	9.97
KS	10.24
WY	5.96
MT	5.23
ND	3.63
SD	2.60
IA	3.43

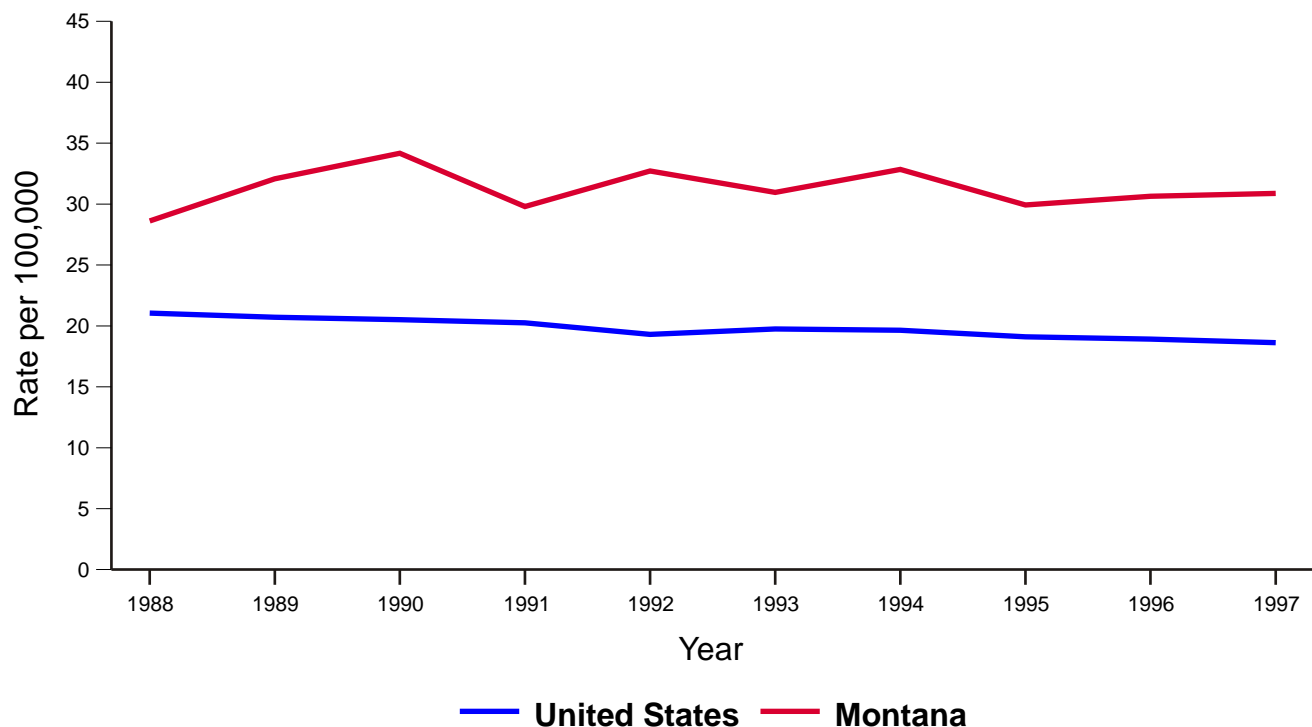
The graph displays the rate of HIV infection per 100,000 people for the United States and Montana from 1988 to 1997. The United States rate (blue line) shows a general upward trend from 1988 to 1991, followed by a decline. The Montana rate (red line) remains relatively stable, with a slight increase in 1995.

Year	United States	Montana
1988	8.5	4.3
1989	8.8	3.8
1990	9.5	4.6
1991	10.0	4.6
1992	9.6	4.8
1993	9.8	4.5
1994	9.3	4.2
1995	8.5	5.5
1996	7.8	4.3
1997	7.3	4.3

Traumatic Brain Injury-Related Death Rates* United States, 1995-1997

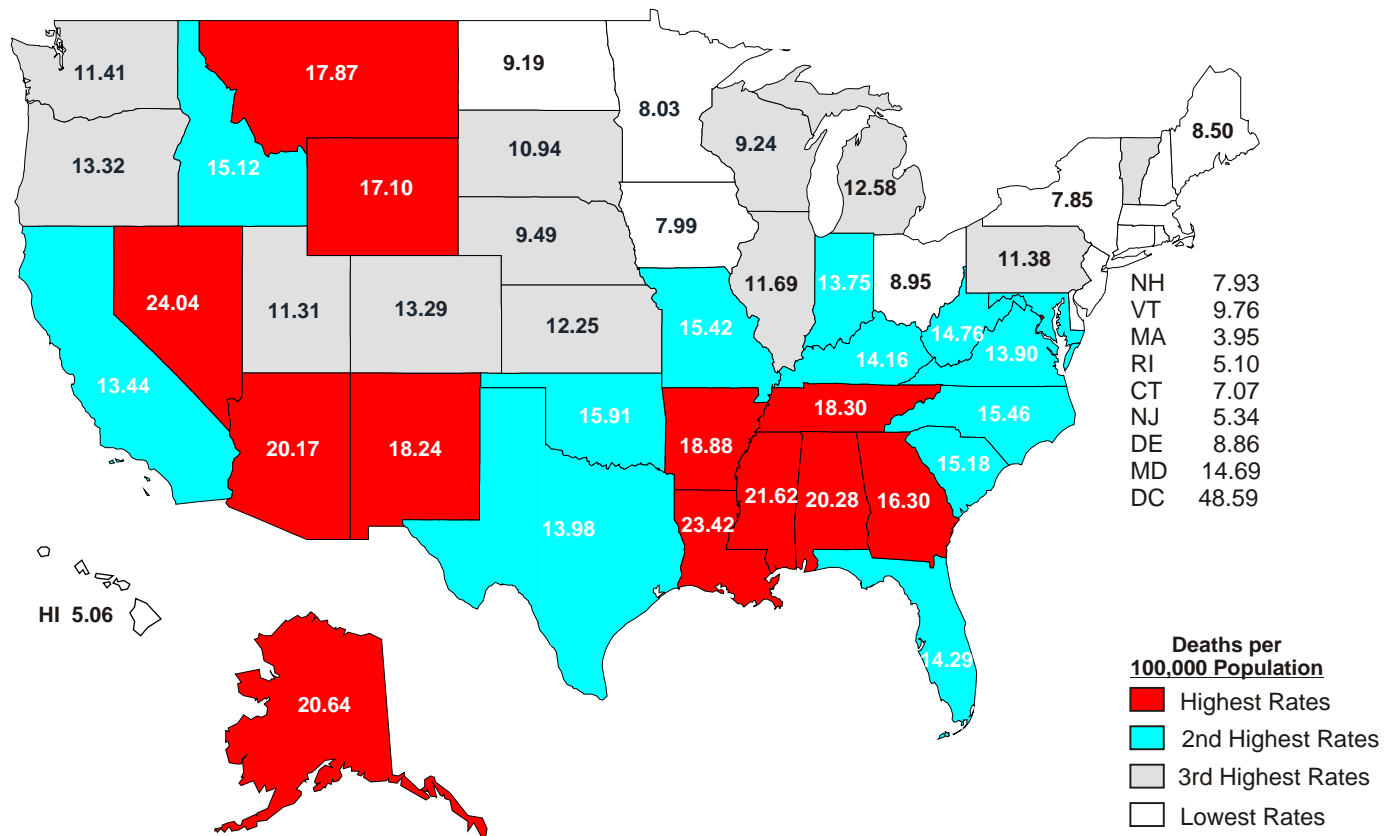


United States and Montana 1988-1997

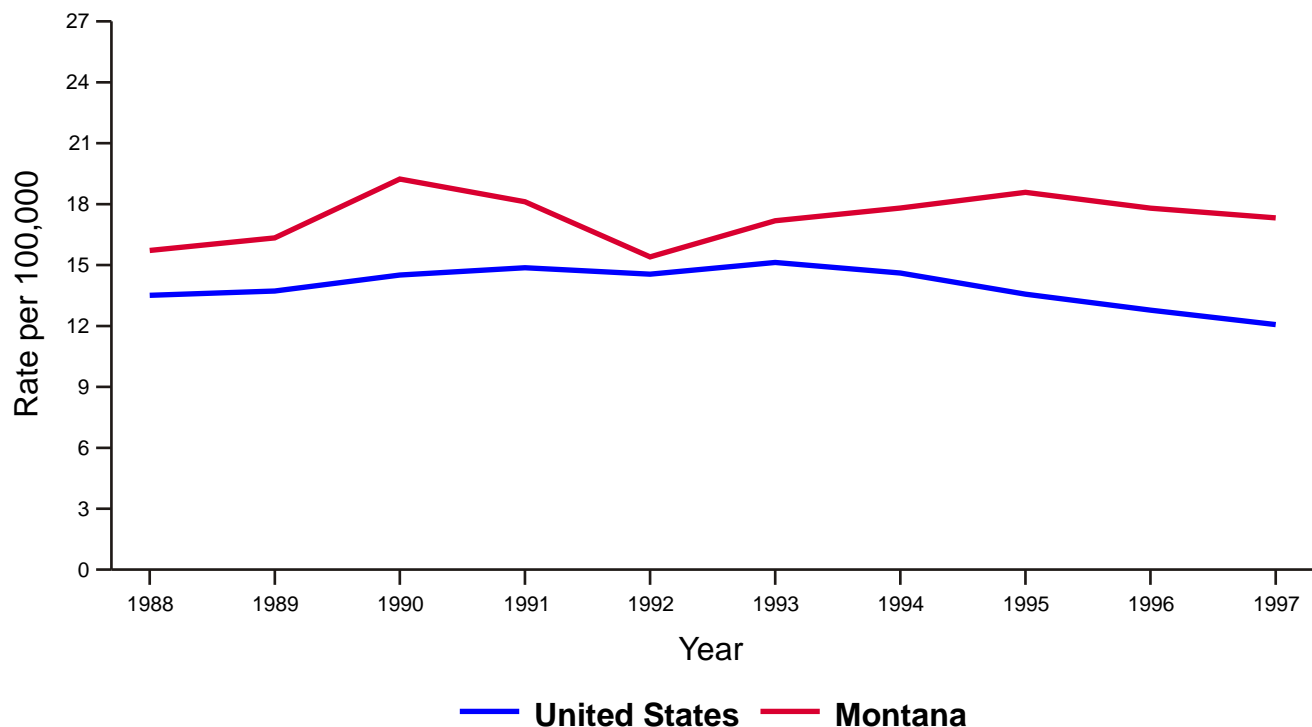


* Includes unintentional and intentional deaths from motor vehicles, firearms, falls, and other causes (of determined and undetermined intent).

Firearm-Related Death Rates* United States, 1995-1997



United States and Montana 1988-1997



* Includes deaths from firearm suicide, firearm homicide, unintentional firearm-related deaths, and firearm-related deaths of undetermined intent.

MONTANA INJURY CONTROL PROJECTS

Cooperative Agreements

The National Center for Injury Prevention and Control (NCIPC) currently funds the following work through a cooperative agreement in Montana:

- State Injury Intervention and Surveillance Program (Trauma Care Systems Development): a program to supplement the long-term strategy to develop a statewide, data-driven, and quality-based trauma care system. Efforts are targeted to improve the State's data collection system by expanding the number of hospitals participating in the trauma registry, providing updated education to hospital trauma coordinators, studying the reliability of trauma registry data collection efforts, and developing a CD ROM education program based on these data to improve consistency. (*Montana Department of Public Health & Human Services, Helena*)

Research Grants

At present, there are no extramural research projects in Montana funded by the NCIPC.